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1126

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/058,513

DATE: 12/10/2002 P.6
TIME: 14:13:43

Input Set : A:\-59-1.app

Output Set: N:\CRF4\12102002\J058513.raw

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3 <110> APPLICANT: Gish, Kurt C.
4      Mack, David H.
5      Afar, Daniel
6      Eos Biotechnology, Inc.
8 <120> TITLE OF INVENTION: Uses of PBH1 in the Diagnosis and Therapeutic Treatment
9      of Prostate Cancer
11 <130> FILE REFERENCE: 018501-005910US
13 <140> CURRENT APPLICATION NUMBER: US 10/058,513
14 <141> CURRENT FILING DATE: 2002-01-24
16 <150> PRIOR APPLICATION NUMBER: US 60/263,951
17 <151> PRIOR FILING DATE: 2001-01-24
19 <160> NUMBER OF SEQ ID NOS: 42
21 <170> SOFTWARE: PatentIn Ver. 2.1
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24 <211> LENGTH: 4225
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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112 <212> TYPE: PRT
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126 35 40 45
128 Ser Phe Leu Pro Val His Thr Ile Val Leu Ile Arg Glu Asn Val Cys
129 50 55 60
131 Lys Cys Gly Tyr Ala Gln Ser Gln His Met Glu Gly Thr Gln Ile Asn
132 65 70 75 80
134 Gln Ser Glu Lys Trp Asn Tyr Lys Lys His Thr Lys Glu Phe Pro Thr
135 85 90 95
137 Asp Ala Phe Gly Asp Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys
138 100 105 110
140 Tyr Ile Arg Leu Ser Cys Asp Thr Asp Ala Glu Ile Leu Tyr Glu Leu
141 115 120 125
143 Leu Thr Gln His Trp His Leu Lys Thr Pro Asn Leu Val Ile Ser Val
144 130 135 140
146 Thr Gly Gly Ala Lys Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile
147 145 150 155 160
149 Phe Ser Arg Leu Ile Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu
150 165 170 175
152 Thr Gly Gly Thr His Tyr Gly Leu Met Lys Tyr Ile Gly Glu Val Val
153 180 185 190
155 Arg Asp Asn Thr Ile Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile
156 195 200 205
158 Gly Ile Ala Ala Trp Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg
159 210 215 220
161 Asn Cys Asp Ala Glu Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp
162 225 230 235 240
164 Phe Thr Arg Asp Pro Leu Tyr Ile Leu Asp Asn Asn His Thr His Leu
165 245 250 255
167 Leu Leu Val Asp Asn Gly Cys His Gly His Pro Thr Val Glu Ala Lys
168 260 265 270
170 Leu Arg Asn Gln Leu Glu Lys Tyr Ile Ser Glu Arg Thr Ile Gln Asp
171 275 280 285
173 Ser Asn Tyr Gly Gly Lys Ile Pro Ile Val Cys Phe Ala Gln Gly Gly
174 290 295 300
176 Gly Lys Glu Thr Leu Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile

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179 Pro Cys Val Val Val Glu Gly Ser Gly Gln Ile Ala Asp Val Ile Ala
180          325          330          335
182 Ser Leu Val Glu Val Glu Asp Ala Leu Thr Ser Ser Ala Val Lys Glu
183          340          345          350
185 Lys Leu Val Arg Phe Leu Pro Arg Thr Val Ser Arg Leu Pro Glu Glu
186          355          360          365
188 Glu Thr Glu Ser Trp Ile Lys Trp Leu Lys Glu Ile Leu Glu Cys Ser
189          370          375          380
191 His Leu Leu Thr Val Ile Lys Met Glu Glu Ala Gly Asp Glu Ile Val
192 385          390          395          400
194 Ser Asn Ala Ile Ser Tyr Ala Leu Tyr Lys Ala Phe Ser Thr Ser Glu
195          405          410          415
197 Gln Asp Lys Asp Asn Trp Asn Gly Gln Leu Lys Leu Leu Leu Glu Trp
198          420          425          430
200 Asn Gln Leu Asp Leu Ala Asn Asp Glu Ile Phe Thr Asn Asp Arg Arg
201          435          440          445
203 Trp Glu Lys Ser Lys Pro Arg Leu Arg Asp Thr Ile Ile Gln Val Thr
204          450          455          460
206 Trp Leu Glu Asn Gly Arg Ile Lys Val Glu Ser Lys Asp Val Thr Asp
207 465          470          475          480
209 Gly Lys Ala Ser Ser His Met Leu Val Val Leu Lys Ser Ala Asp Leu
210          485          490          495
212 Gln Glu Val Met Phe Thr Ala Leu Ile Lys Asp Arg Pro Lys Phe Val
213          500          505          510
215 Arg Leu Phe Leu Glu Asn Gly Leu Asn Leu Arg Lys Phe Leu Thr His
216          515          520          525
218 Asp Val Leu Thr Glu Leu Phe Ser Asn His Phe Ser Thr Leu Val Tyr
219          530          535          540
221 Arg Asn Leu Gln Ile Ala Lys Asn Ser Tyr Asn Asp Ala Leu Leu Thr
222 545          550          555          560
224 Phe Val Trp Lys Leu Val Ala Asn Phe Arg Arg Gly Phe Arg Lys Glu
225          565          570          575
227 Asp Arg Asn Gly Arg Asp Glu Met Asp Ile Glu Leu His Asp Val Ser
228          580          585          590
230 Pro Ile Thr Arg His Pro Leu Gln Ala Leu Phe Ile Trp Ala Ile Leu
231          595          600          605
233 Gln Asn Lys Lys Glu Leu Ser Lys Val Ile Trp Glu Gln Thr Arg Gly
234          610          615          620
236 Cys Thr Leu Ala Ala Leu Gly Ala Ser Lys Leu Lys Thr Leu Ala
237 625          630          635          640
239 Lys Val Lys Asn Asp Ile Asn Ala Ala Gly Glu Ser Glu Glu Leu Ala
240          645          650          655
242 Asn Glu Tyr Glu Thr Arg Ala Val Glu Leu Phe Thr Glu Cys Tyr Ser
243          660          665          670
245 Ser Asp Glu Asp Leu Ala Glu Gln Leu Leu Val Tyr Ser Cys Glu Ala
246          675          680          685
248 Trp Gly Gly Ser Asn Cys Leu Glu Leu Ala Val Glu Ala Thr Asp Gln
249          690          695          700

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254 His Ala Cys Lys Asp Ala Asp Asp Ala Leu Ile Ser Gly Ser Arg Lys
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257 Lys Pro Val Asp Lys His Lys Lys Leu Leu Trp Tyr Tyr Val Ala Phe
258                      740                      745                      750
260 Phe Thr Ser Pro Phe Val Val Phe Ser Trp Asn Val Val Phe Tyr Ile
261                      755                      760                      765
263 Ala Phe Leu Leu Leu Phe Ala Tyr Val Leu Leu Met Asp Phe His Ser
264                      770                      775                      780
266 Val Pro His Pro Pro Glu Leu Val Leu Tyr Ser Leu Val Phe Val Leu
267 785                      790                      795                      800
269 Phe Cys Asp Glu Val Arg Gln Met Glu Gln Gly Val Ala Leu Val Glu
270                      805                      810                      815
272 Glu Ala Arg Ala Ala Gln Glu Pro Thr Glu Gly Val Gly Gly Ser Gly
273                      820                      825                      830
275 Met Val Gly Cys Arg Ser Arg Ala Leu Pro His Gly Lys Ala Ala Thr
276                      835                      840                      845
278 Ala Arg Pro Gly Ser Arg Ser Arg His Ser Phe His Thr Ser Leu Gln
279                      850                      855                      860
281 Ala Glu Gly Ala Ser Ser Gly Leu Gly Gln Pro Arg Lys Gly Leu Pro
282 865                      870                      875                      880
284 Gln Cys Ser Gly Gly Leu Lys Gly Ser Ser Ser Ala Ala Lys Val Gly
285                      885                      890                      895
287 Ala Gln Ala Glu Glu Val Pro Arg Ala Ser Glu Gly Cys Glu Asp Cys
288                      900                      905                      910
290 Gln His Ala Val Thr Ser Gln Lys Arg Lys Gly Leu Ala Asp Val Leu
291                      915                      920                      925
293 Ser Arg Thr Gly Asn Asn Trp Asp Ser Val Cys Pro Thr Ser Gly Trp
294                      930                      935                      940
296 Tyr Val Asn Gly Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp
297 945                      950                      955                      960
299 Thr Leu Gly Leu Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His
300                      965                      970                      975
302 Ser Ser Asn Lys Ser Ser Leu Tyr Ser Gly Arg Val Ile Phe Cys Leu
303                      980                      985                      990
305 Asp Tyr Ile Ile Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser
306                      995                      1000                      1005
308 Arg Asn Leu Gly Pro Lys Ile Ile Met Leu Gln Arg Met Thr Ser Ile
309 1010                      1015                      1020
311 Glu Met Ser Ser Ser Gly Ser Ser Ile Pro Thr Leu Arg Phe Phe Glu
312 1025                      1030                      1035                      1040
314 Phe Val Val Leu Ile Gln Ser Ile Ser Gly Thr Ser Ser His His Glu
315                      1045                      1050                      1055
317 Val Met Leu Ser Asp Arg Cys Val Leu Leu Pro Val Pro Leu Cys Gly
318                      1060                      1065                      1070
320 Val Asp Gly Gly Leu Cys Val Ala Arg Gln Gly Ile Leu Arg Gln Asn
321                      1075                      1080                      1085
323 Glu Gln Arg Trp Arg Trp Ile Phe Arg Ser Val Ile Tyr Glu Pro Tyr

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; Xaa Pos. 77,78,79,80,81,82

Seq#:38; Xaa Pos. 3

VERIFICATION SUMMARY

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L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:64

L:939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:80

L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0